# Author Index


Alagiri, S. and Singh, T.P.
Stability and kinetics of a bifunctional amylase/trypsin inhibitor (1203) 77
Angal, S., see Williamson, R.A. (1203) 147
Arkhis, A., see Chirat, F. (1203) 109

Beattie, J.
Structural and functional aspects of the interaction between growth hormone and its receptor (1203) 1
Beaune, P., see Briand, J. (1203) 199
Benfatto, A.M., see Vessey, D.A. (1203) 126
Benson, T., see El-Waer, A.F. (1203) 93
Braus, G., see Ramilo, C. (1203) 71
Briand, J., Julistiono, H., Beaune, P., Flinois, J.P., De Waziers, I. and Leroux, J.P.
Presence of proteins recognized by mammalian cytochrome *P*-450 antibodies in *Euglena gracilis* (1203) 199
Brunet, J.E. and Pulgar, M.
Dynamics of protoporphyrin IX in the heme pocket of horseradish peroxidase (1203) 171
Burke, C.J., see Volkin, D.B. (1203) 18

Chevaillier, P., see Chirat, F. (1203) 109
Chikaoka, Y., see Suzuki, K. (1203) 215
Chirat, F., Arkhis, A., Martinage, A., Jaquinod, M., Chevaillier, P. and Sautière, P.
Phosphorylation of human sperm protamines HP1 and HP2: identification of phosphorylation sites (1203) 109
Collins, J.H., see Wawrzynów, A. (1203) 60
Corbalán-García, S., Teruel, J.A., Varón, R., García-Cánovas, F. and Gómez-Fernández, J.C.
A kinetic study of an unstable enzyme measured through coupling reactions. Application to the self-inactivation of detergent-solubilized $Ca^{2+}$-ATPase from sarcoplasmic reticulum (1203) 45

Denault, D., see Lehman, W. (1203) 53
De Waziers, I., see Briand, J. (1203) 199
Dimitrov, M.I., Donchev, A.A. and Egorov, T.A.
Twin plastocyanin dimorphism in tobacco (1203) 184
Donchev, A.A., see Dimitrov, M.I. (1203) 184
Douglas, K.T., see El-Waer, A.F. (1203) 93
Downer, R.G.H., see Gupta, J. (1203) 210

Egorov, T.A., see Dimitrov, M.I. (1203) 184
El-Waer, A.F., Smith, K., McKie, J.H., Benson, T., Fairlamb, A.H. and Douglas, K.T.
The glutamyl binding site of trypanothione reductase from *Crithidia fasciculata*: enzyme kinetic properties of γ-glutamyl-modified substrate analogues (1203) 93
Evans, J.N.S., see Ramilo, C. (1203) 71
Eyre, D.R., see Niyibizi, C. (1203) 304

Fairlamb, A.H., see El-Waer, A.F. (1203) 93
Fatum, K.L., see Thariath, A.M. (1203) 27
Felix, K., Lengfelder, E., Hartmann, H.-J. and Weser, U.
A pulse radiolytic study on the reaction of hydroxyl and superoxide radicals with yeast Cu(I)-thionein (1203) 104
Flinois, J.P., see Briand, J. (1203) 199
Fominaya, J., Neumann, U. and Hofsteenge, J.
Residues 287–301 of human ribonuclease inhibitor do not affect ribonuclease activity and inhibitor binding; a reply (1203) 168
Franzini, E., Sellak, H., Hakim, J. and Pasquier, C.
Oxidative damage to lysozyme by the hydroxyl radical: comparative effects of scavengers (1203) 11
Freedman, R.B., see Williamson, R.A. (1203) 147

García-Cánovas, F., see Corbalán-García, S. (1203) 45
Gasa, S., see Miyagishima, T. (1203) 155
Gbenle, G.O.
Characterization of a filtrable 3′-nucleotidase of *Leishmania donovani* (1203) 162
Gómez-Fernández, J.C., see Corbalán-García, S. (1203) 45
Gupta, J. and Downer, R.G.H.
Partial characterization of protein kinase C from an insect cell line (1203) 210

Hakim, J., see Franzini, E. (1203) 11
Hartmann, H.-J., see Felix, K. (1203) 104
Hase, S., see Omichi, K. (1203) 224
Hasegawa, M.
A Thermodynamic model for denaturation of granulocyte colony-stimulating factor: *O*-linked sugar chain suppresses not the triggering deprotonation but the succeeding denaturation (1203) 295
Hashimoto, Y., Nagaoka, I. and Yamashita, T.
Purification of the antibacterial fragments of guinea-pig major basic protein (1203) 236
Hayes, J.D., see Hussey, A.J. (1203) 131
Hejnæs, K.R., see Schäffer, L. (1203) 205
Hernández-Arana, A., see Solís-Mendiola, S. (1203) 121
Hiratani, H., see Yuki, Y. (1203) 298
Hirono, S., see Yamaotsu, N. (1203) 243
Hofsteenge, J., see Fominaya, J. (1203) 168
Honke, K., see Miyagishima, T. (1203) 155
Hori, H., see Masuya, F. (1203) 99
Hori, H., see Yamamoto, Y. (1203) 267
Hoshina, S., see Ochiai, T. (1203) 310
House, C.M., see Tiganis, T. (1203) 282
Hunsaker, L.A., see Robinson, B. (1203) 260
Hussey, A.J. and Hayes, J.D.
Human Mu-class glutathione *S*-transferases present in liver, skeletal muscle and testicular tissue (1203) 131

Ikezawa, H., see Tomita, M. (1203) 85
Itagaki, E., see Suzuki, K. (1203) 215
Ivanetich, K.M., see Thumser, A.E.A. (1203) 115

Jaquinod, M., see Chirat, F. (1203) 109
Jonsson, B.-H., see Liang, Z. (1203) 142
Julistiono, H., see Briand, J. (1203) 199

Katiyar, S.S., see Sheikh, S. (1203) 276
Kato, K., see Yuki, Y. (1203) 298
Keiderling, T.A., see Urbanova, M. (1203) 290

Kemp, B.E., see Tiganis, T. (1203) 282
Kirihara, M., see Yuki, Y. (1203) 298

Lamthanh, H., Léonetti, M., Nabedryk, E. and Ménez, A.
CD and FTIR studies of an immunogenic disulphide cyclized octadecapeptide, a fragment of a snake curaremimetic toxin (1203) 191
Larsen, U.D., see Schäffer, L. (1203) 205
Lehman, W., Denault, D. and Marston, S.
The caldesmon content of vertebrate smooth muscle (1203) 53
Lengfelder, E., see Felix, K. (1203) 104
Léonetti, M., see Lamthanh, H. (1203) 191
Leroux, J.P., see Briand, J. (1203) 199
Liang, Z., Jonsson, B.-H. and Lindskog, S.
Proton transfer in the catalytic mechanism of carbonic anhydrase. Effects of placing histidine residues at various positions in the active site of human isoenzyme II (1203) 142
Linde, S., see Schäffer, L. (1203) 205
Lindskog, S., see Liang, Z. (1203) 142

Mach, H., see Volkin, D.B. (1203) 18
Makita, A., see Miyagishima, T. (1203) 155
Marfia, K.E., see Volkin, D.B. (1203) 18
Marston, S., see Lehman, W. (1203) 53
Martinage, A., see Chirat, F. (1203) 109
Masuya, F. and Hori, H.
EPR studies on the photoproducts of manganese(II) protoporphyrin-IX substituted myoglobin nitrosyl complexes trapped at low temperature: effects of site-specific chemical modification of the distal histidine on ligand-binding structures (1203) 99
McKie, J.H., see El-Waer, A.F. (1203) 93
Ménez, A., see Lamthanh, H. (1203) 191
Middaugh, C.R., see Volkin, D.B. (1203) 18
Miyagishima, T., Gasa, S., Honke, K., Sakai, M., Nishi, S., Yamamoto, M., Nishikawa, K., Miyazaki, T. and Makita, A.
Expression, purification and binding to the receptor of human insulin-like growth factor II (1203) 155
Miyazaki, T., see Miyagishima, T. (1203) 155
Moriguchi, I., see Yamaotsu, N. (1203) 243
Mukunda, K., see Sheikh, S. (1203) 276

Nabedryk, E., see Lamthanh, H. (1203) 191
Nagaoka, I., see Hashimoto, Y. (1203) 236
Neumann, U., see Fominaya, J. (1203) 168
Nishi, S., see Miyagishima, T. (1203) 155
Nishikawa, K., see Miyagishima, T. (1203) 155
Nishimura, R., see Yuki, Y. (1203) 298
Niyibizi, C. and Eyre, D.R.
Structural analysis of the extension peptides on matrix forms of type V collagen in fetal calf bone and skin (1203) 304
Nomura, K., see Yuki, Y. (1203) 298
Nowak, G., Rainer, F. and Sobieszek, A.
Purification and characterization of the myofibrillar form of myosin light-chain phosphatase from turkey gizzard smooth muscle (1203) 230

Ochiai, T., Hoshina, S. and Usuki, I.
Zinc as modulator of oxygenation function and stabilizer of quaternary structure in earthworm hemoglobin (1203) 310
Omichi, K. and Hase, S.
Identification of the characteristic amino-acid sequence for human $\alpha$-amylase encoded by the *AMY2B* gene (1203) 224

Pancoska, P., see Urbanova, M. (1203) 290
Pasquier, C., see Franzini, E. (1203) 11
Pulgar, M., see Brunet, J.E. (1203) 171

Rainer, F., see Nowak, G. (1203) 230
Ramasarma, T., see Vaidyanathan, V.V. (1203) 36
Ramilo, C., Braus, G. and Evans, J.N.S.
A tyrosine residue is involved in the allosteric binding of tryptophan to yeast chorismate mutase (1203) 71
Rao, P.V., see Tumminia, S.J. (1203) 251
Reeve, J.N., see Stroup, D. (1203) 175
Robinson, B., Hunsaker, L.A., Stangebye, L.A. and Vander Jagt, D.L.
Aldose and aldehyde reductases from human kidney cortex and medulla (1203) 260
Rojo-Domínguez, A., see Solís-Mendiola, S. (1203) 121
Russell, P., see Tumminia, S.J. (1203) 251

Sakai, M., see Miyagishima, T. (1203) 155
Sanga, K.-i., see Suzuki, K. (1203) 215
Sastry, P.S., see Vaidyanathan, V.V. (1203) 36
Sautière, P., see Chirat, F. (1203) 109
Schäffer, L., Larsen, U.D., Linde, S., Hejnæs, K.R. and Skriver, L.
Characterization of the three $^{125}$I-iodination isomers of human insulin-like growth factor I (IGF1) (1203) 205
Sellak, H., see Franzini, E. (1203) 11
Sheikh, S., Mukunda, K. and Katiyar, S.S.
Evidence for proximal cysteine and lysine residues present at the nucleotide domain of rabbit muscle creatine kinase (1203) 276
Shimomura, M., see Yuki, Y. (1203) 298
Singh, T.P., see Alagiri, S. (1203) 77
Skriver, L., see Schäffer, L. (1203) 205
Smith, B.J., see Williamson, R.A. (1203) 147
Smith, K., see El-Waer, A.F. (1203) 93
Sobieszek, A., see Nowak, G. (1203) 230
Solís-Mendiola, S., Rojo-Domínguez, A. and Hernández-Arana, A.
Cooperativity in the unfolding transitions of cysteine proteinases. Calorimetric study of the heat denaturation of chymopapain and papain (1203) 121
Stangebye, L.A., see Robinson, B. (1203) 260
Stroup, D. and Reeve, J.N.
Association of the *mcrD* gene product with methyl coenzyme M reductase in *Methanococcus vannielii* (1203) 175
Suziki, T., see Yamamoto, Y. (1203) 267
Suzuki, K., Sanga, K.-i., Chikaoka, Y. and Itagaki, E.
Purification and properties of cytochrome *P*-450 (*P*-450$_{lun}$) catalyzing steroid 11$\beta$-hydroxylation in *Curvularia lunata* (1203) 215

Taguchi, R., see Tomita, M. (1203) 85
Tamura, H.-o., see Tomita, M. (1203) 85
Teruel, J.A., see Corbalán-García, S. (1203) 45
Thariath, A.M., Fatum, K.L., Valvano, M.A. and Viswanatha, T.
Physico-chemical characterization of a recombinant cytoplasmic form of lysine: $N^6$-hydroxylase (1203) 27
Thumser, A.E.A. and Ivanetich, K.M.
Kinetic mechanism of human erythrocyte acidic isoenzyme $\rho$ (1203) 115
Tiganis, T., House, C.M. and Kemp, B.E.
Casein kinase II $\beta$-subunit inhibits the activity of the catalytic $\alpha$-subunit in the absence of salt (1203) 282
Tomita, M., Ueda, Y., Tamura, H.-o., Taguchi, R. and Ikezawa, H.
The role of acidic amino-acid residues in catalytic and adsorptive sites of *Bacillus cereus* sphingomyelinase (1203) 85
Tumminia, S.J., Rao, P.V., Zigler, Jr., J.S. and Russell, P.
Xenobiotic induction of quinone oxidoreductase activity in lens epithelial cells (1203) 251

Ueda, Y., see Tomita, M. (1203) 85
Urbanova, M., Pancoska, P. and Keiderling, T.A.
Spectroscopic study of the temperature-dependent conformation of glucoamylase (1203) 290
Usuki, I., see Ochiai, T. (1203) 310

Vaidyanathan, V.V., Sastry, P.S. and Ramasarma, T.
Inverse relationship of the dehydrogenase and ADP-ribosylation activities in sodium-nitroprusside-treated glyceraldehyde-3-phosphate dehydrogenase is coincidental (1203) 36
Valvano, M.A., see Thariath, A.M. (1203) 27
Vander Jagt, D.L., see Robinson, B. (1203) 260
Varón, R., see Corbalán-García, S. (1203) 45
Verticelli, A.M., see Volkin, D.B. (1203) 18
Vessey, D.A. and Benfatto, A.M.
Chemical modification of bile acid:CoA ligase (1203) 126
Viswanatha, T., see Thariath, A.M. (1203) 27
Volkin, D.B., Verticelli, A.M., Marfia, K.E., Burke, C.J., Mach, H. and Middaugh, C.R.
Sucralfate and soluble sucrose octasulfate bind and stabilize acidic fibroblast growth factor (1203) 18

Wawrzynów, A. and Collins, J.H.
Chemical modification of the $Ca^{2+}$-ATPase of rabbit skeletal muscle sarcoplasmic reticulum: identification of sites labeled with aryl isothiocyanates and thiol-directed conformational probes (1203) 60
Weser, U., see Felix, K. (1203) 104
Williamson, R.A., Smith, B.J., Angal, S. and Freedman, R.B.
Chemical modification of tissue inhibitor of metalloproteinases-1 and its inactivation by diethyl pyrocarbonate (1203) 147

Yamamoto, M., see Miyagishima, T. (1203) 155
Yamamoto, Y., Suziki, T. and Hori, H.
Dynamics and thermodynamics of acid–alkaline transitions in metmyoglobins lacking the usual distal histidine residue (1203) 267
Yamaotsu, N., Moriguchi, I. and Hirono, S.
Estimation of stabilities of staphylococcal nuclease mutants ($Met^{32} \rightarrow Ala$ and $Met^{32} \rightarrow Leu$) using molecular dynamics/free energy perturbation (1203) 243
Yamashita, T., see Hashimoto, Y. (1203) 236
Yuki, Y., Nomura, K., Kirihara, M., Shimomura, M., Hiratani, H., Nishimura, R. and Kato, K.
Charge isomers of urinary bikunin (trypsin inhibitor) (1203) 298

Zigler, Jr., J.S., see Tumminia, S.J. (1203) 251